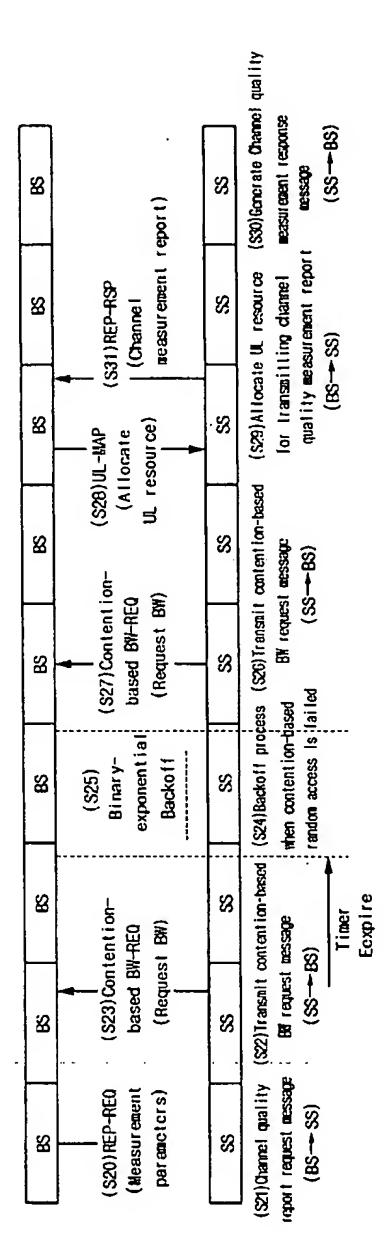


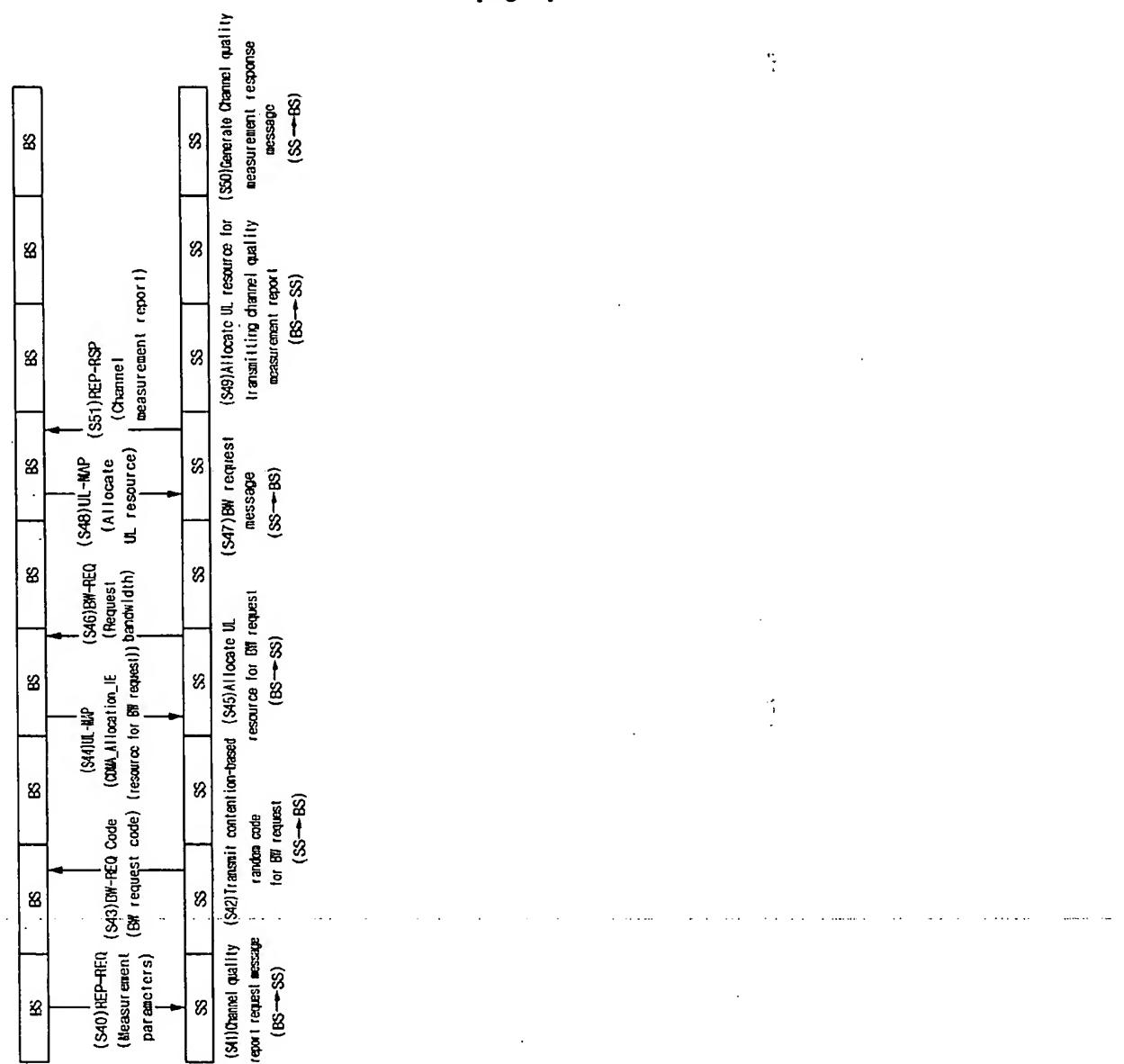
1

[Fig. 2]

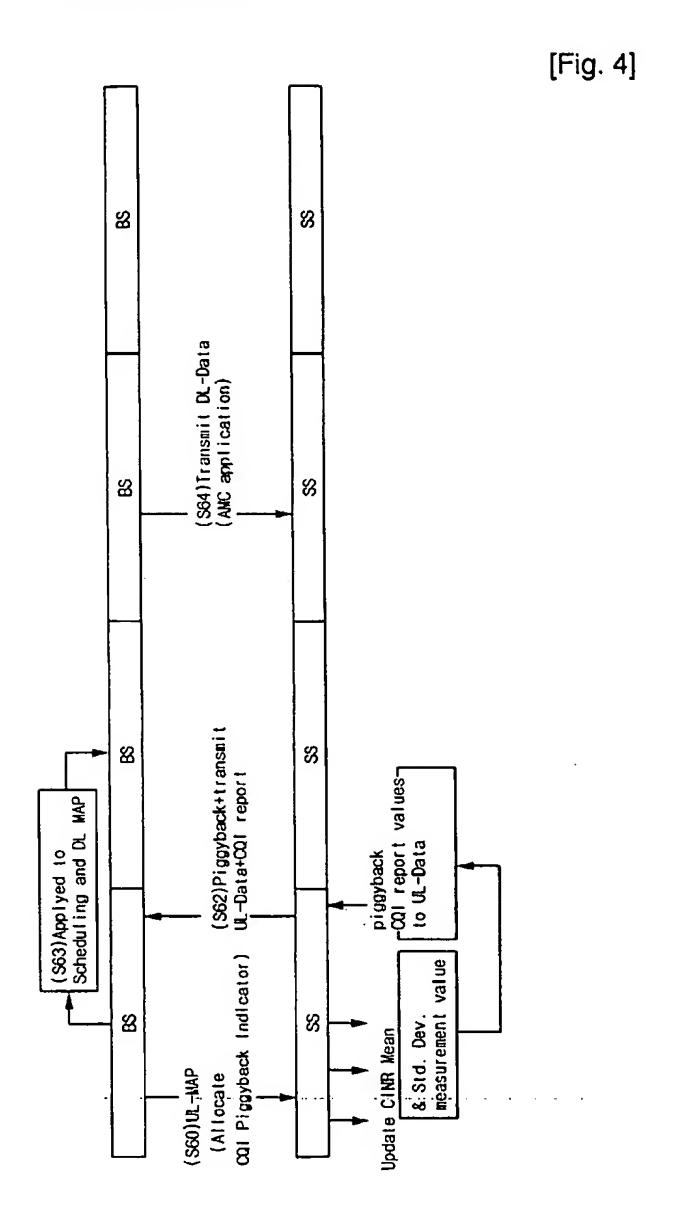


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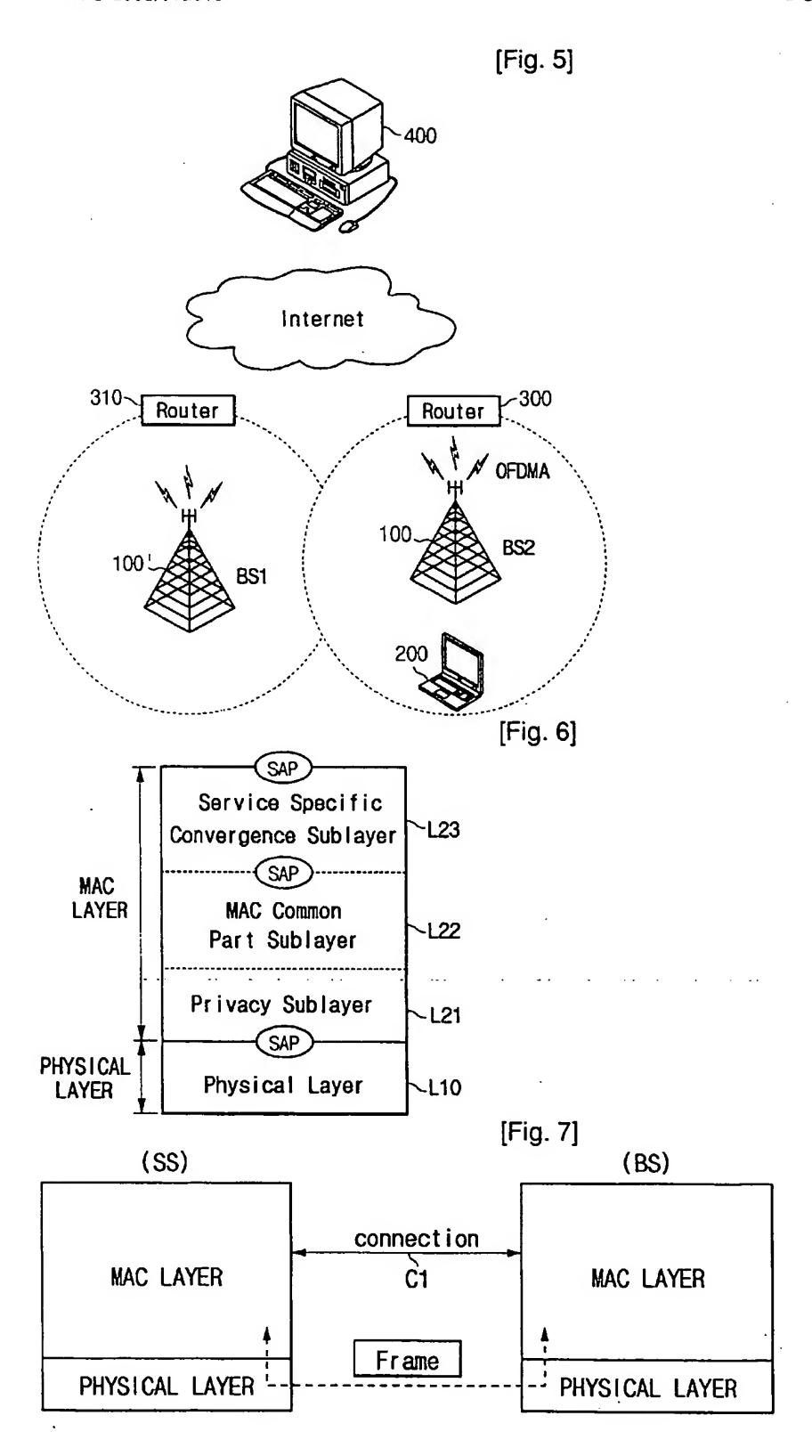
[Fig. 3]



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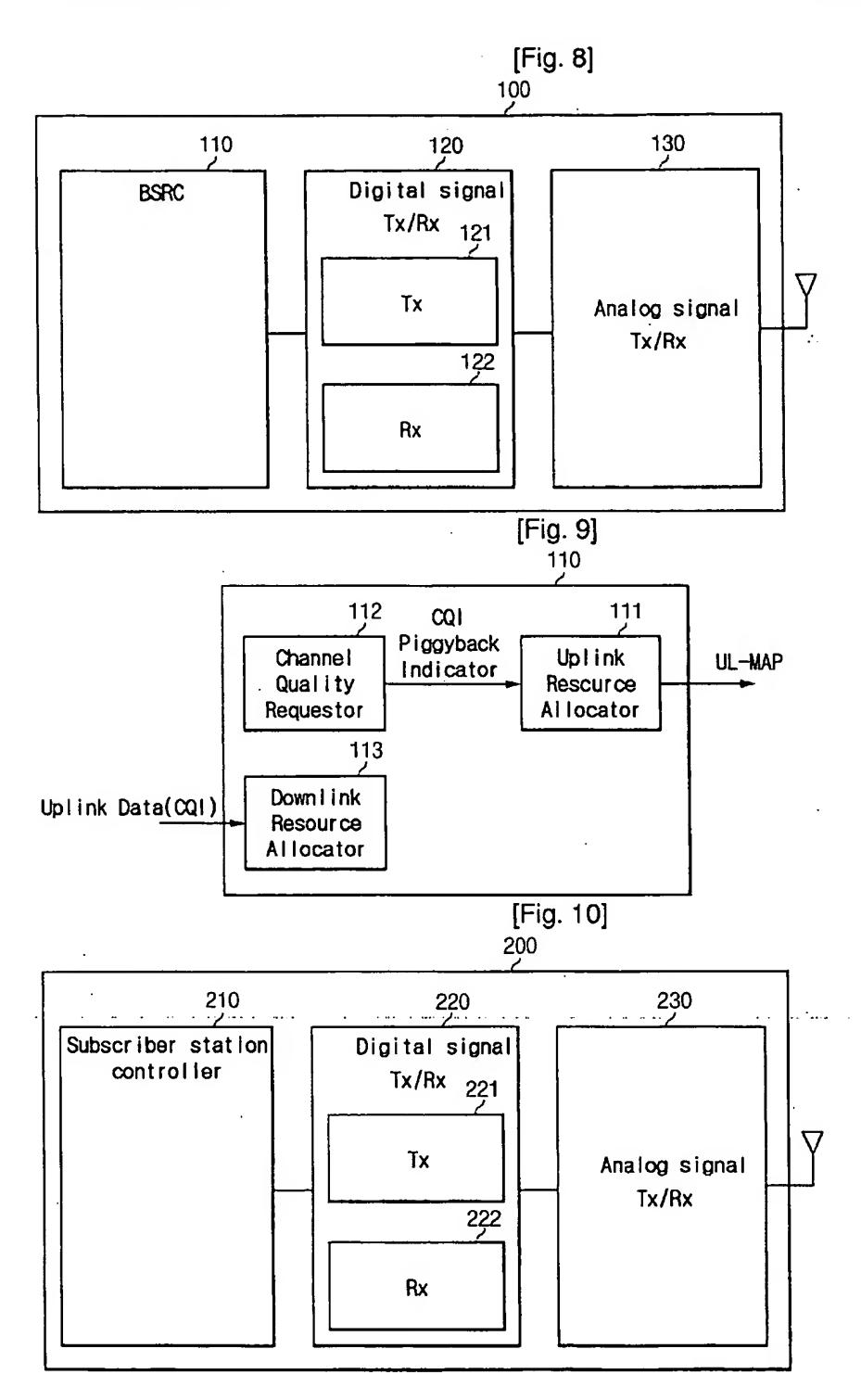


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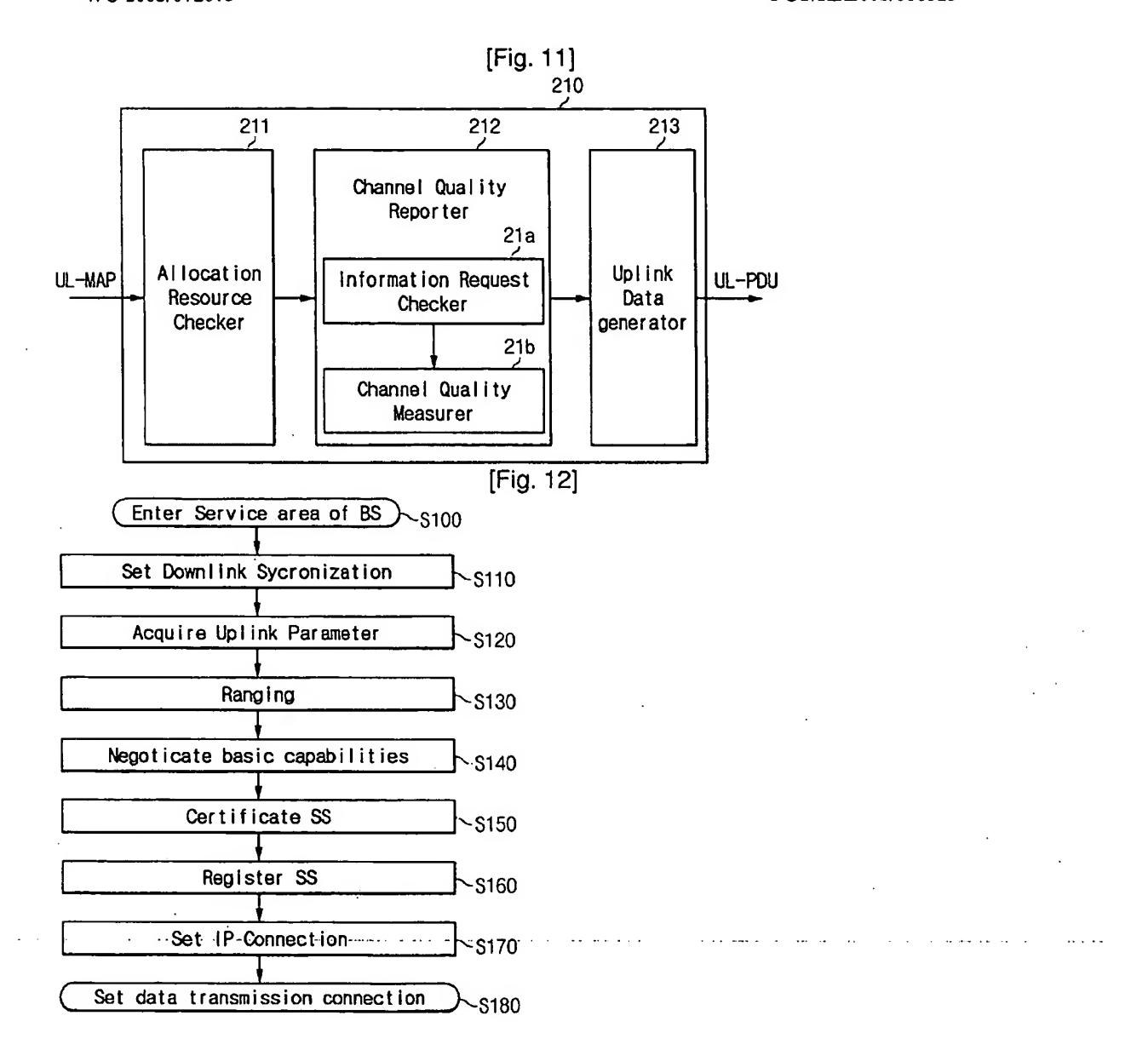
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[Fig. 13]
                                            <SS>
        <BS>
   Allocate uplink
                        ~S200
    radio resource
  Add CQI piggyback
     indicator to
                         -S210
 allocated information
    Transmit UL-MAP
                        UL-HAP
                                      Store UL-MAP
                                                          S230
including the indicator
               s220
                                                  S240
                                           (Q)
                                                        No
                                        piggyback
                                         included
                                             Yes
                                        Status of
                                CQI piggyback indicator
                                                  S270
                                                        No
                                      Request CQ1?
                                                                End
                                                                 $250
                                             Yes
                                     Measure channel
                                                          S280
                                         Quality
                                   Insert measured CQI
                                                          ~$290
                                       to UL-Data
              $310
Extract CQI from UL-Data UL-PDU
                                    -Transmit-UL-Data-
                                                          S300
   & Allocate DL-MAP
                                        with CQI
                                          [Fig. 14]
  UL-MAP_IE_Encodings(){
    for(i=1;i<=n;i++){
        CID//16bits
        UIUC//4bits
        No. of UL-Slots//6bits
        CQI Piggybacking Indicator//1bit,
                         //'0':Not Required, '1':CQ1 piggyback Required
        Reserved//1bit
```